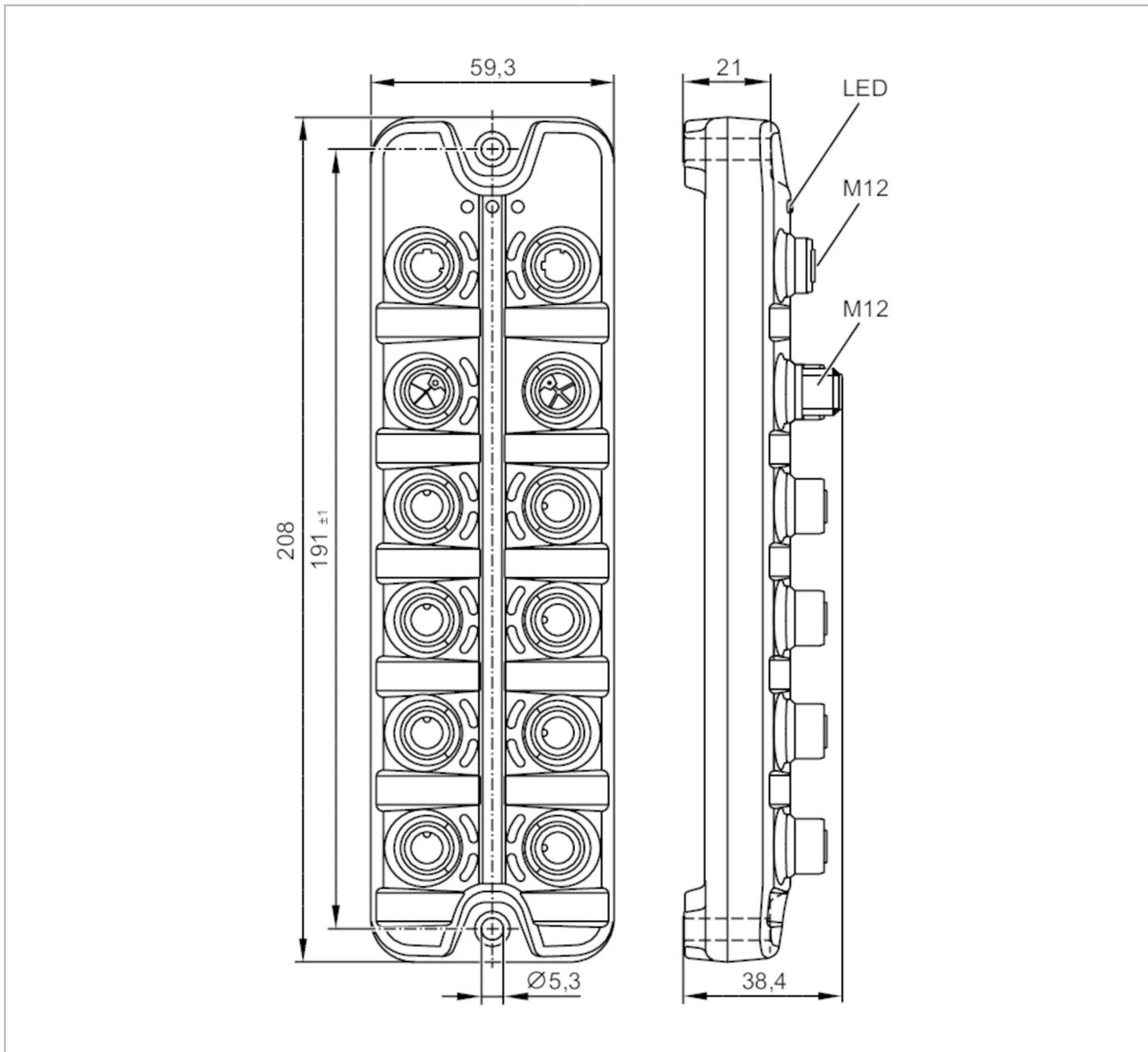


# AL4323



## Ethernet module with EtherNet/IP interface

ETH Module PFL EIP 8DO 8DI IP69K



Application	
Application	hygienic systems; I/O modules for field applications
Daisy-chain function	voltage supply; fieldbus interface
Electrical data	
Operating voltage [V]	20...28 DC; (US ; to PELV)
Current consumption [mA]	300...3900
Protection class	III
Additional voltage supply [V]	20...28 DC; (UA)
Actuator supply UA	
Max. current load total [A]	8



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Current rating per port	[A]	3.6
Sensor supply US		
Max. current load total	[A]	3.6
Current rating per port	[A]	3.6
<b>Inputs / outputs</b>		
Number of inputs and outputs	Number of digital inputs: 8; Number of digital outputs: 8	
<b>Inputs</b>		
Number of digital inputs	8; (type 2 according to IEC 61131-2)	
Switching level high	[V]	11...30
Switching level low	[V]	0...5
Digital inputs protected against short circuits	yes	
<b>Outputs</b>		
Number of digital outputs	8	
Short-circuit proof	yes	
Actuator supply UA		
Max. current load per output	[mA]	3600
<b>Software / programming</b>		
Parameter setting options	Counter function	
Functions and parameters	Function	CTU (Up Counter), CTD (Down Counter), CTUD (Up-Down Counter), CTDIR (Direction Counter)
	switching function (SSC)	single point, two point, window, latch
	number	4 (1 counter for each input port)
	count frequency	4500 Hz
	main counter	32 Bit (0...4.294.967.295)
	batch counter	16 Bit (0...65.535)
<b>Interfaces</b>		
Communication interface	Ethernet	
Ethernet - EtherNet/IP		
Transmission standard	10Base-T; 100Base-TX	
Transmission rate	10 MBit/s; 100 MBit/s	
Protocol	EtherNet/IP	
Factory settings	IP address: 192.168.1.250	
	subnet mask: 255.255.255.0	
	gateway IP address: 0.0.0.0	
	MAC address: see type label	
Note on interfaces	DHCP, BOOTP, static	
	DLR (Device Level Ring)	
	Supported network topologies: line ring	
<b>Operating conditions</b>		
Ambient temperature	[°C]	-25...60
Storage temperature	[°C]	-25...85
Max. relative air humidity	[%]	90

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Protection	IP 65; IP 66; IP 67; IP 69K; (operation with stainless steel protective caps: IP 69K)	
Protection rating (NEMA 250)	6P	
Degree of soiling	2	
Chemical media	ISO 16750-5	HLP, CC, DB, DC, DD, CA
	NEMA 250 5.13.1	AA

### Tests / approvals

EMC	EN 61000-6-2	
	EN 61000-6-4	
Shock resistance	DIN EN 60068-2-27	
Vibration resistance	DIN EN 60068-2-64 2009-04	
	DIN EN 60068-2-6 2008-10	

### Mechanical data

Weight	[g]	435.9
Housing		rectangular
Type of mounting		Backplane mounting
Dimensions	[mm]	208 x 59.3 x 38.4
Material		housing: PA grey; Socket: stainless steel (1.4404 / 316L)
Sealing material		EPDM

### Accessories

Items supplied	Protective cap: 1 x M12, stainless steel, E12542
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### Remarks

Remarks	Further information is available in the manual.
	Using the device within a system with requirements for functional safety is possible by deactivating the actuator voltage UA without interaction.
	For further information on functional safety, please refer to the operating instructions supplement under "Downloads".
Pack quantity	1 pcs.

### Electrical connection - Ethernet

Connector: M12; coding: D; sealing: EPDM



### IN / OUT XF1, XF2

1	TX +
2	RX +
3	TX -
4	RX -
5	not used

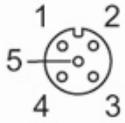


## Ethernet module with EtherNet/IP interface

ETH Module PFL EIP 8DO 8DI IP69K

### Electrical connection - inputs / outputs

Connector: M12; coding: A; sealing: EPDM



#### Digital Output X1...X4

1	not used
2	Digital output 2 (UA) L+
3	GND (UA)
4	Digital output 1 (UA) L+
5	functional earth

#### Digital Input X5...X8

1	Sensor supply (US) L+
2	Digital input 2
3	Sensor supply (US) L-
4	Digital input 1
5	functional earth

### Electrical connection - voltage supply IN

Connector: M12; coding: L



#### XD1

1	+ 24 V DC (US) brown
2	GND (UA) white
3	GND (US) blue
4	+ 24 V DC (UA) black
5	FE grey

### Electrical connection - voltage supply OUT

Connector: M12; coding: L; sealing: EPDM



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## Ethernet module with EtherNet/IP interface

ETH Module PFL EIP 8DO 8DI IP69K

### XD2

1	+ 24 V DC (US) brown
2	GND (UA) white
3	GND (US) blue
4	+ 24 V DC (UA) black
5	FE grey